Science

Prep.1

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MINI REVISION

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اسئلة الاختيار من متعدد تشمل المنهج بالكامل

* طبقاً لأخر تعديل فى الماده للعام الدراسى 2021-2020



Mini Revision

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(1) Choose the right answer:

1.In solar heater, solar energy is converted into .... energy.

a. light b. electric c. heat

2.The colour property is a distinguishing factor between ....

a. Flour-sugar. b. silver-gold. c. oxygen-helium.

3.The third energy level is saturated by .... electrons.

a. 2 b. 18 c. 8

4.A substance is solid and can't be soften by heating ....

a. copper. b. sulphur. c. aluminum.

5.Chemical energy can be stored in ....

a. car battery. b. raising a load up wards.

c. stretched spring. d. car lamps.

6.The chemical activity of the element depends on the number of ....

a. neutrons. b. protons. c. electrons in the outer level. d. levels filled with electrons.

7.An element has 2 electrons in the (L) level, so its atomic number is ....

a. 2 b. 4 c. 6 d. 8

8.All of the following are active elements except ....

a. $_{1}H$ b. $_{6}C$ c. $_{7}N$ d. $_{18}Ar$

9.Cooking pans are made up of ....

a. iron only. b. aluminium only. c. stainless steel only. d. (b) and (c)

10.The substances that float on water surface is ....

a. iron . b. cork. c. aluminium. d. copper.

11.The property of electric conduction is distinguishing factor between ....

a. iron and copper. b. wood and plastic.

c. iron and wood. d. no correct answer.

12.An object of 20 N. weight and it is placed at a height of 5 m. , so its potential energy is .... joules.

a. 50 b. 150 c. 100 d.200

13.If you sit down beside an electric heater, heat is transferred to you by ....

a. convection. b. radiation. c. conduction. d. convection & radiation.

14.Scorpion belongs to ....

a. insects. b. arachnids. c. myriapods. d .mammals.

15.Equal masses of different substances have .... volumes.

a. different b. constant c. equal

16.When a substance sinks in water, that means its density is .... the density of water.

a. equal to b. less than c. more than

17.The .... matter doesn't take the shape of the container.

a. solid b. liquid c. gaseous

18.The molecule of oxygen is composed of .... atom(s).

a. one b. two c. three

19.The particles which revolve around the nucleus of an atom of element are ....

a. neutrons. b. protons. c. electrons.

20.................... are from the animals which don't have a body support.

a. Reptiles b. Snails c. Jellyfish

21.The number of energy levels in the heaviest atoms is ....

a. 7 b. 8 c. 32 d. 18

22.From inert gases ....

a. nitrogen. b. helium. c. oxygen. d. bromine

23.Heat transfers from Sun to Earth by ....

a. convection. c. conduction.

b. radiation. d. conduction and convection.

24.In car engine, ... energy of the fuel is changed into heat and mechanical energy.

a. chemical b. electric c. light d. solar

25.Amoeba, euglena and paramecium differ from each other in the ....

a. number of teeth. b. number of legs.

c. kind of support. d . way of movement.

26.................... insect exactly looks like the plant branches.

a. Stick b. Beetle c . Leaf d. Locust

27.................... is from teethless mammals.

a. Lion b. Cow c. Lizard d. Sloth

28.................... is a permanent source of energy.

a. Wind b. Fuel c. Food d. The Sun

29.Electric energy is converted into sound energy in ....

a. car battery . b. car lamps. c. radio cassette. d. pendulum.

30.Taste property is a distinguishing factor between ....

a. copper and iron. b. vinegar and perfume. c. salt and sugar. d. gold and silver.

31.................... belongs to the animals with no body support

a. Octopus b. Mussel c . Hedgehog d . Snake

32.Dynamo converts mechanical energy into energy ....

a. electrical b. nuclear c. solar d . chemical

33.................... is a permanent source of energy

a. Wind b. Coal c. The Sun d . Water

34.Rat has ....

a. two pairs of incisors in each jaw. b. one pair of incisors in each jaw.

c. three pairs of incisors in each jaw. d . no correct answer.

35.The Sun is ....

a. resource of permanent energy. b. resource of non-permanent energy.

c. not an energy resource. d . (a) and (c).

36.In the radio cassette inside the car the ....

a. electric energy is converted into mechanical energy.

b. light energy is converted into heat energy.

c. electric energy is converted into kinetic energy.

d. electric energy is converted into sound energy.

37.Atom symbol of potassium element is ....

a. Hg b. Cu c. P d.K

38.Some substances need heat to get soften such as ....

a. coal. b. iron. c. sulphur. d. rubber.

39.Secreting sweat by skin is considered .... adaptation.

a. structural b. functional c. behavioral d. no correct answer

40.An object of 10 N. weight is placed at 5 m. height, it has a potential energy ....

a. 50 joule. b. 150 joule. c. 100 joule. c. 200 joule.

41.The handles of cooking pots are made of ....

a. copper. b. aluminium. c. wood. d. iron.

42.The role of technological application is represented in ....

a. using energy resources and converting energy from form to another.
b. creating energy from nothing.
c. storing energy as its form is.
d. illustrating energy forms.

43.Solids have .... intermolecular force.

a. strong b. weak c. medium d. no correct answer

44.................. is an example for plants that reproduce by spores.

a. Pine b. Beans c. Vougheir d. Wheat

45.From the animals which don't have a body support is ....

a. snail. b.jellyfish. c. fish . d. cartilaginous fi sh.

46.Heat is transferred by convection through ....

a. liquids only . b. gases only . c. solid only. d. liquids and gases.

47.When the atomic number of element equals its mass number, this means that there is no ....

a. electrons. b. protons . c. neutrons. d. nucleus.

48.The third energy level in the atom contains .... electrons.

a.2 b.18 c.8 d. 32

49.The colour property distinguishing factor between ....

a. flour and table salt. b. iron and gold. c. O_2 and CO_2 . d. salt and sugar.

50.The molecule of gaseous element that consists of one atom is ....

a. oxygen. b. hydrogen. c. helium. d. mercury.

51.Heat transfers through liquids by ....

a. conduction. b. convection.
c. radiation. d. convection and radiation.

52.The molecule of ammonia consists of .... atoms.

a. 2 b. 6 c. 4 d. 1

53.In the rodent the number of incisors in the upper jaw is ....

a. one pair. b. two pairs. c. three pairs. d. none.

54.Heat transfers from Sun to Earth by ....

a. conduction. b. convection. c. radiation. d. no answer.

55.When the object is throw upward the .... of object decreases.

a. mass b. heat c. potential energy d. kinetic energy

56.Spider belongs to ....

a. insects. b. arachnids. c. myriapods. d. vertebrates

57.The number of atoms is equal to the number of elements in .... molecule.

a. water b. hydrogen chloride c. oxygen d . ammonia gas

58.The example of living organism that undergoes hibernation is the ....

a. desert snail. b. jerboa. c. frog. d. all the previous.

59.Heat transfer by radiation takes place through ....

a. liquids only. b. gases only.

c. material media and nonmaterial ones. d. metals only.

60.From the animals that undergo aestivation is ....

a. rat b. jerboa c. frog .

61.From the plant that reproduce by forming spores ....

a. pine. b. wheat. c. voughair.

62.Mammal animal that has one pair of incisors in each jaw ....

a. squirrel. b. rabbit. c. lion. d. no correct answer.

63.The nucleus of .... atom doesn't contain neutrons.

a. neon b. hydrogen c. oxygen d . no correct answer

64.Heat transfers by .... through liquid and gas.

a. conduction b. convection c. radiation d. no correct answer

65.................... is from the animals that make hibernation in winter.

a. Desert snail b. Jerboa c. Frog

66.All of the followings belong to arachnids except ....

a. locust. b. scorpion. c. spider.

67.The electric lamp changes the .... energy into light and heat energy.

a. sound b. electric c. mechanical

68.The smell property is a distinguishing factor between ....

a. iron and gold. b. wood and plastic. c. perfume and vinegar.

69.The energy level N is saturated by .... electrons.

a. 8 b. 18 c. 32

70.The third energy level is saturated by .... electrons.

a. 2 b. 10 c. 18 d. 8

71.Heating coils are made up of .... alloy.

a. iron-copper b. nickel-iron c. chrome-copper d. nickel-chrome

72.................... reproduce by forming spores.

a. Vougheir b. Pine c. Bean d. Wheat

73.Car engine changes at first chemical energy to .... energy.

a. heat b. electric c. magnetic d. light

74.When air heats up its density ....

a. not change. b. increases. c. decreases. d. (b) and (c).

75.The electron is .... charged particle.

a. positively b. negatively c. neutrally

76.The number of pairs of scorpion legs is ....

a. 4 b.3 c. 44

77.An object of weight 6 newton, moved to a height 5 m, its potential energy is ....

a. 30 b. 75 c. 11

78.................... is the monoatomic liquid molecule.

a. Bromine b. Mercury c. Iodine

79.................... is an example of plants that reproduce by seeds.

a. Adiantum b. Vougheir c. Bean

80.By increasing the kinetic energy of particles, their .... increases.

a. weight b. temperature c. volume

81.The electric energy is converted into kinetic energy in ....

a. electric lamp. b. electric fan. c. electric heater.

82.................... bird migrates in winter.

a. Quail b. Duck c. Sparrow

83.In the solar cell. the solar energy is converted into .... energy.

a. kinetic b. light c. electric d . heat

84.Distance among molecules are very small in ....

a. water. b. copper. c hydrogen. d . oil.

85.Birds migration represents .... adaptation.

a. anatomical b. functional c. structural d. behavioral

86.The number of electrons that saturates the level (K) is ....

a.8 b.2 c.32

87.Dynamo converts mechanical energy into .... energy.

a. electric b. nuclear c. solar

88.The Sun is a .... source of energy.

a. non-renewable b. renewable c. permanent d. all the previous

89.The density of petroleum oil is .... that of water.

a. less than b. more than c. equal to d. no correct answer

90.Insectivorous plants cannot absorb the nitrogenous substances to make ....

a. carbohydrates. b. proteins. c. fats. d. vitamins.

91.Secretion of poison in some snakes is an example of .... adaptation.

a. structural b. behavioral c. functional d. all of them

92.Positive charged particles in the nucleus of atom are ....

a. neutrons. b. protons. c. electrons.

93.Potassium is symbolized by ....

a.P b. K c. B

94.From gymnosperms plants: ....

a. wheat. b. pine plant. c. maize.

95.Density measuring unit ....

a.cm3. b. gm. c. gm./cm3

96.Heat is transferred by radiation through ....

a. liquids only. b. gases only. c. material media and non-material ones.

97.The monoatomic liquid is ....

a. Hg b. Ag c. Mg d.Br

98.The rule which is used to find the electronic configuration for the first four energy levels is ....

a. 22n b. $2n^2$ c. 2n d. n^2

99.An object of mass 1 kg moves at speed 4 m/s., so it has a kinetic energy= .... joule.

a. 16 b. 8 c.64 d.4

100.The scorpion belongs to ....

a. insect. b. myriapods. c. arachnids. d. mammals.

Model Answer

(1) Choose the right answer:

1. C	20. C	40. A	60. B	80. B	100. C
2. B	21. A	41. C	61. C	81. B	
3. B	22. B	42. A	62. A	82. A	
4. B	23. B	43. A	63. B	83. C	
5. A	24. A	44. C	64. B	84. B	
6. C	25. D	45. B	65. C	85. D	
7. B	26. A	46. D	66. A	86. B	
8. D	27. D	47. C	67. B	87. A	
9. D	28. D	48. B	68. A	88. C	
10. B	29. C	49. B	69. C	89. A	
11. C	30. C	50. C	70. C	90. B	
12. C	31. A	51. B	71. D	91. C	
13. D	32. A	52. C	72. A	92. B	
14. B	33. C	53. A	73. A	93. B	
15. A	34. B	54. C	74. C	94. B	
16. C	35. A	55. D	75. B	95. A	
17. A	36. D	56. B	76. A	96. C	
18. B	37. D	57. B	77. A	97. A	
19. C	38. B	58. C	78. B	98. B	
	39. B	59. C	79. C	99. B	

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